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APPROVED	O G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

2701 TTATTATCCAGAACATCTAGGTTAATCATTACTTCCAAACTAGACCACTATTTACACACTCT
HNF1 HNF3

2761 ATGGAAAGGCGGGTATATTATATAAGAGAGAAACAACACATAGCGCCTCATTTTGTGGGTC
Spl TBP RNA Start

2821 ACCATATTCTTGGGAACAAGATCTACAGCATGGGGC
PreS1 protein start

Fig. 1B

2701 TTATTATCCAGAACATCTAGGTTAATCATTACTTCCAAACTAGACCACTATTTACACACTCT

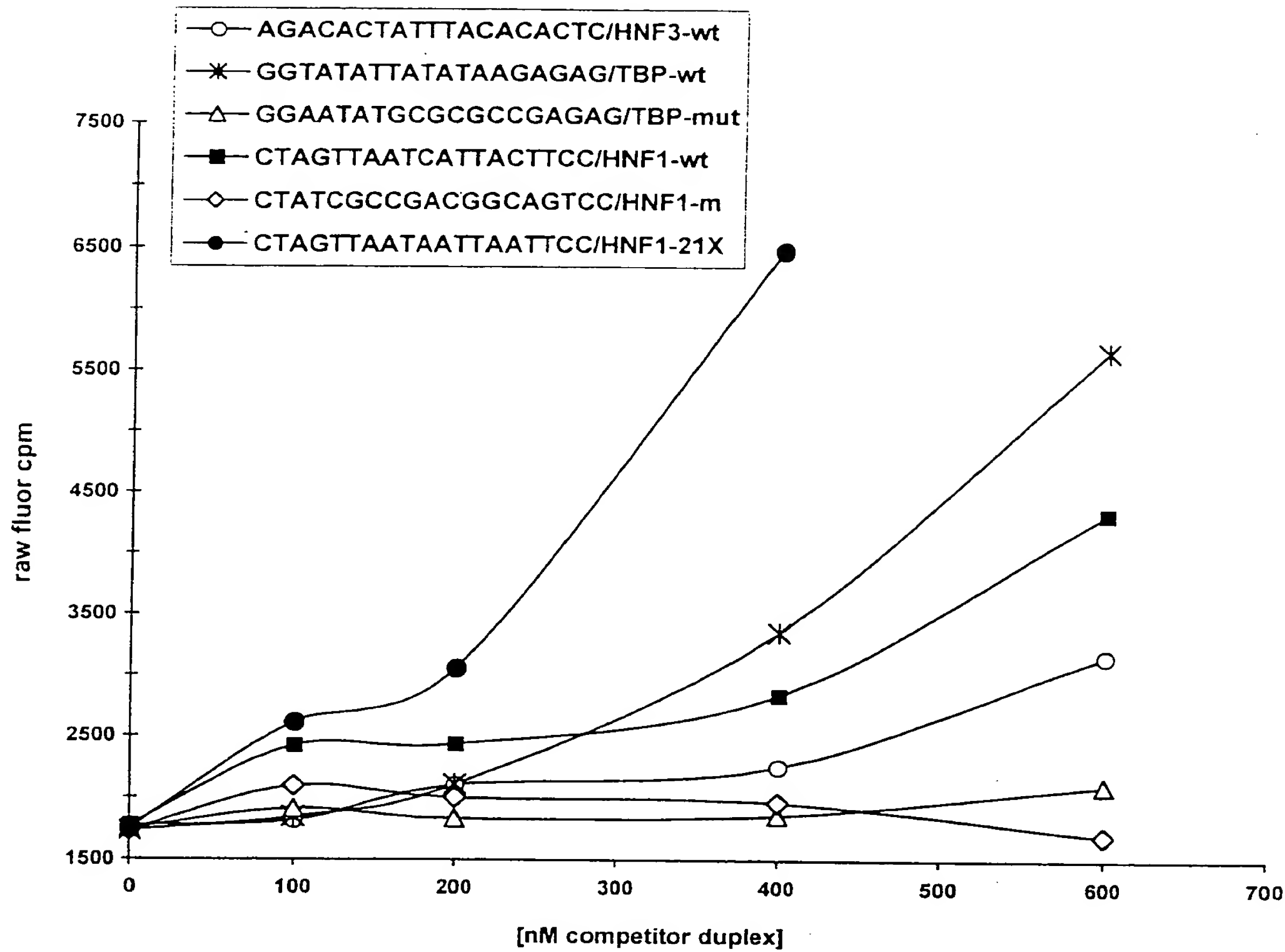


Fig. 2

APPROVED	O G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

1081 CTA AGC AGG CTT TCA CTT TCT CGC CAA CTT ACA AGG CCT TTC TGT GTA AAC AAT
 NF1(1100-1119)

2c (1119-1134)

1135 ACC TGA ACC TTT ACC CCG TTG CCC GGC AAC GGC CAG GTC TGT GCC AAG TGT TTG
 EF-C(1148-1168)

1189 CTG ACG CAA CCC CCA CTG GCT GGG GCT TGG TCA TGG GCC ATC AGC GCA TGC GTG
 E(1180-1202) NF1(1209-1236) X-PBP(1229-1245)

1243 GAA CCT TTT CGG CTC CTC TGC CGA TCC ATA CTG CGG AAC TCC TAG CCG CTT GTT

1297 TTG CTC GCA GCA GGT CTG GAG CAA ACA TTA TCG GGA CTG ATA ACT CTG TTG TCC

1351 TAT CCC GCA AAT ATA CAT CGT TTC CAT GGC TGC TAG 1386

Fig. 3

APPROVED	O G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

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CAGCTGGG CCGCCCTTGT GCGCGGGCTG ATGCTCTGAG GCTTGGCTAT
GCGGGGGCCA ACGCGATTGT GGGTGCTCGG GGAGTGGGGG GGGGCACGAC CGTAGGTGCT
CCCTGCTGGG GCAACCCATC GCTCCCCATG CGGAATCCGG GGGTAATTAC CCCCCCAGGA
CCCGGAATAT TAGTAATCCT AATTCCTCGG GGGGGAGGGG GCGCGGGAGG AATTCACCCT
GAAAGGTGGG GGTGGGGGGG GTCGCATCTT GCTGTGAGCA CCCTGGCGAA GGGGAGAGGG
CTTTTTCTAT CAGTTTTCTT TGAGCTTTTA CTGTAAAGAG GGTACGGTGG TTTGATGACA
CTGAACTATA TTCAAAGGA AGTAAATGAA CAGTTTTCTT AATTTGGGGC AGGTACTGTA
AAAATAAAAA CAAAAGTTAA GACAGTAAAA TGTCCTTTTA TTTTSTAATG CACCAGAG
ACAGAACCTG TAATTTTAAA AACTGTGTAT TTTAATTTAC ATCTGCTTAA GTTTGCGATA
ATATTGGGGA CCCTCTCATG TAACCACGAA CACCTATCGA TTTTGCTAAA AATCAGATCA
GTACACTCGT TTGTTTAATT GATAATTGTT CTGAATTATG CCGGCTCCTG CCAGCCCCCT
CACGCTCACG AATTCAGTCC CAGGGCAAAT TCTAAAGGTG AAGGGACGTC TACACCCCCA
ACAAAACCAA TTAGGAACTT CGGTGGTCTT GTCCCAGGCA GAGGGGACTA ATATTTCCAG
CAATTTAATT TCTTTTTTAA TTAATAAAAA TGAGTCAGAA TGGAGATCAC TGTTCCTCAG
CTTTCATTTC AGAGGTGTGT TTCTCCCGGT TAAATTGCCG GCACGGGAAG GGAGGGGGTG
CAGTTGGGGA CCCCCGCAAG GACCGACTGG TCAAGGTAGG AAGGCAGCCC GAAGAGTCTC
CAGGCTAGAA GGACAAGATG AAGGAAATGC TGGCCACCAT CTTGGGCTGC TGCTGGAATT
TTCGGGCATT TATTTTATTT TATTTTTTTGA GCGAGCGCAT GCTAAGCTGA AATCCCTTTA
ACTTTTAGGG TTACCCCCTT GGGCATTTC AACGACGCC CTGTGCGCCG GAATGAAACT
TGCACAGGGG TTGTGTGCCC GGTCCTCCCC GTCTTTGCAT GCTAAATTAG TTCTTGCAAT
TTACACGTGT TAATGAAAAT GAAAGAAGAT GCAGTCGCTG AGATTCTTTG GCCGTCTGTC
CGCCCGTGGG TGCCCTCGTG GCGTTCTTGG AAATGCGCCC ATTCTGCCGG CTTGGATATG
GGGTGTCGCC GCGCCCCAGT CACCCCTTCT CGTGGTCTCC CCAGGCTGCG TGCTGTGCCG
GCCTTCCTAG TTGTCCCCTA CTGCAGAGCC ACCTCCACCT CACCCCCTAA ATCCCGGGGG
ACCACTCGA GCGGACGGG GCCCCCTGCA CCCCTCTTCC CTGGCGGGGA GAAAGGCTGC
AGCGGGGCGA TTTGCATTTT TATGAAAACC GGACTACAGG GGCAACTCCG CCGCAGGGCA
GGCGCGGCGC CTCAGGGATG GCTTTTGGGC TCTGCCCCCTC GCTGCTCCCG GCGTTTGGCG
CCCGCGCCCC CTCCCCCTGC GCCCGCCCCC GCCCCCTCC CGCTCCCAT TCTTGCCGGG
CTTTGATCTT TGCTTAACAA CAGTAACGTC ACACGGACTA CAGGGGAGTT TTGTTGAAGT
TGCAAAGTCC TGGAGCCTCC AGAGGGCTGT CGGCGCAGTA GCAGCGAGCA GCAGAGTCCG
CACGCTCCGG CGAGGGGCAG AAGAGCGCGA GGGAGCGCGG GGCAGCAGAA GCGAGAGCCG
AGCGCGGACC CAGCCAGGAC CCACAGCCCT CCCCAGCTGC CCAGGAAGAG CCCC

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Fig. 4

APPROVED	O. G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

10	20	30	40	50	60	70
GAATTCAC	GGGAGAG	TCAGGAAG	GACAACAG	TAATAGGT	ACAGAGTA	AGAGAGGT
CTTAAGTG	CCCTCTCG	AGTCCTTT	CTGTTGTC	ATTATCCAG	TGTCTCATT	TCTCTCCAG
80	90	100	110	120	130	140
CTAAAAATA	ACTCTAAG	GTATTCAG	AAAACATA	TTGAGCTAA	AATGGTGGG	TCAATTTCA
GATTTTTAT	TGAGATTCT	CATAAGTC	TTTGTATA	AACTCGATT	TTACCACCCT	AGTTAAAGT
150	160	170	180	190	200	210
GGGAATATT	TGGGCAGA	TCAGACTGT	GGAGGCTGG	GATCAAGA	TTGAGGCA	GAGGTTGG
CCCTTATA	ACCCGTCT	AGTCTGAC	CCTCCGACC	CTAGTTCTT	AACTCCGTT	CTCCAACCT
220	230	240	250	260	270	280
AACAACGT	TTTTCAAG	GGTCACGT	ACAAATCT	GACCTTCAG	CTCCCCCT	TCGGGTCTT
TTGTTGACA	AAAAGTTCA	CCAGTGCAC	TGTTTAGAC	CTGGAAGTC	GAGGGGAGG	AGCCCAGAA
290	300	310	320	330	340	350
GCTGAGCTG	TTGCAGGG	CCTGCAGCT	TGGCACTCT	AAGTTGTAT	AAACTGAC	TGCAGAAGT
CGACTCGAC	AACGTCCCG	GGACGTCG	ACCGTGAG	TTCAACAT	TTTGACTGT	ACGTCTTC
360	370	380	390	400	410	420
CTTGAGCCCA	TTTTGGCT	CATGATAAT	TTCCTTCAG	GGAACATA	TTACTTGT	AAGAACCAA
GAACTCGGG	AAAACCGAG	GTACTATT	AAGGAAGTC	CCTTGATT	AATGAACAG	TTCTTGTTT
430	440	450	460	470	480	490
GCCTCTGAC	TGACTGAT	AAGTTCAT	CGTGCATCG	AGCCACCT	TTGGCAGAT	TAGTGAAA
CGGAGACTG	ACTGACTAG	TTCAAGTAG	GCACGTAG	TCGGTGGAT	AACCGTCT	ATCACTTT
500	510	520	530	540	550	560
CTACATAG	CTGGGCCC	GACAGGAT	TGGGGCGTG	GAGGGGAAG	AAGCAGGT	TAACATATA
GATGTATCT	GACCCGGGT	CTGTCCTAC	ACCCCGCAC	CTCCCCTTT	TTCGTCCAC	ATTGATAT
570	580	590	600	610	620	630
GATAGCAT	CTATCAGAG	AGTTTTTAC	TTTCCTATT	GTCTCTCAA	ACAATTTT	AGGAATCAT
CTATCGTAC	GATAGTCT	TCAAAAAT	AAAGGATA	CAGAGAGTT	TGTTAAATA	TCCTTAGTA
640	650	660	670	680	690	700
AAAGCAATT	TATCATGGT	TCTAGACC	GTTTGGAT	GAGGTAGGG	TTTCCACAG	TGCTTTTAG
TTTCGTAAA	ATAGTACCA	AGATCTGG	CAAACCTAC	CTCCATCC	AAAGGTGTC	ACGAAAAT
710	720	730	740	750	760	770
TTGAAGGAA	TCTGATAAG	TGATGCAAA	GCCCTTCAG	AATGTGTA	CCTACACAC	TCAGTGATT
AACTTCCTT	AGACTATT	ACTACGTTT	CGGGAAGT	TTACACATT	GGATGTGT	AGTCACTAA
780	790	800	810	820	830	840
AATTCATTG	CAAAACTTA	GGTGTTTT	ATATTGTT	TGTTCAAT	GTTTTTACC	ACATGTAAG
TTAAGTAAC	GTTTTGAAT	CCACAAAAT	TATAACAAT	ACAAGTAA	CAAAAATGG	TGTACATT
850	860	870	880	890	900	910
AGTTGGCA	TATTTGTT	ACTCATGT	TAGGCTAA	AAATTCAAA	AAATTCAGG	TGAGAATT
TCAACCGTT	ATAACAATT	TGAGTACAG	ATCCGATT	TTTAAGGTT	TTTAAGTC	ACTCTTAAC

Fig. 5A

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

920	930	940	950	960	970	980
TTATTGCTTA	ACGTGTGTCA	AATTTCTTCC	ATGCACATCT	TTATTAGATC	TTCACAGCAA	CCTACAGGAT
AATAACGAAT	TGCACACAGT	TTAAAGAAGG	TACGTGTAGA	AATAATCTAG	AAGTGTCGTT	GGATGTCCTA
990	1000	1010	1020	1030	1040	1050
AAGCAAGACA	GGTGCAAGTG	CCTCCTTTGG	GTATGAGGAA	ACTGAGGTCT	AAAGAGATGA	AGTGATTTGC
TTCGTTCTGT	CCACGTTTAC	GGAGGAAACC	CATACTCCTT	TGACTCCAGA	TTTCTCTACT	TCACTAAACG
1060	1070	1080	1090	1100	1110	1120
CCAAGGCTCA	TAGCAATTTA	TTGGTAGAGC	AAAGACTAGA	ATTCTCTTAA	CTGCAGCCTA	TTTTCCCTAT
GGTTCCGAGT	ATCGTTAAAT	AACCATCTCG	TTTCTGATCT	TAAGAGAATT	GACGTCGGAT	AAAAGGGATA
1130	1140	1150	1160	1170	1180	1190
TCTGAACTGT	TACATCAGCA	TCAACAATTA	TCTAATGGAT	TGGAACAGTG	TACACAGGCA	GCTTAGCTAC
AGACTTGACA	ATGTAGTCGT	AGTTGTTAAT	AGATTACCTA	ACCTTGTCAC	ATGTGTCCGT	CGAATCGATG
1200	1210	1220	1230	1240	1250	1260
GTCAAGTCAC	GATTTTTACT	TTAACTTCAA	TTCCAGAGTC	TTGGCCTGAT	TTCCCTCAAG	ACCCTACTTA
CAGTTCAGTG	CTAAAAATGA	AATTGAAGTT	AAGGTCTCAG	AACCGGACTA	AAGGGAGTTC	TGGGATGAAT
1270	1280	1290	1300	1310	1320	1330
TCTTTGGCTT	TGGAAAATTT	ATTTTTCTTG	CATTATCTTT	CCAGCTAAAT	TTTATTTAAT	AACCATCAGC
AGAAACCGAA	ACCTTTTAAA	TAAAAAGAAC	GTAATAGAAA	GGTCGATTTA	AAATAAATTA	TTGGTAGTCG
1340	1350	1360	1370	1380	1390	1400
ATGCTTTTTT	TGCTTTATGC	CATGTAGACT	TGACCTGAAA	ACCTGCCAGG	CTTTCATTGA	GTTTAGTGAT
TACGAAAAAA	ACGAAATACG	GTACATCTGA	ACTGGACTTT	TGGACGGTCC	GAAAGTAACT	CAAATCACTA
1410	1420	1430	1440	1450	1460	1470
TAAAGAAGTA	AAGTTCTGAG	AAGCAATTAG	TTGATGGGAC	ACCAGTCATA	AAATCAATCC	AAACTTTTGT
ATTTCTTCAT	TTCAAGACTC	TTCGTTAATC	AACTACCCTG	TGGTCAGTAT	TTTAGTTAGG	TTTGAAAACA
1480	1490	1500	1510	1520	1530	1540
TGACATGTGT	TTCTTTCTCC	ATATAACCAGG	TTCCCGCTTC	GTATTAGTAA	GATTGAAATT	GAAATAAGTC
ACTGTACACA	AAGAAAGAGG	TATATGGTCC	AAGGGCGAAG	CATAATCATT	CTAACTTTAA	CTTTATTCAG
1550	1560	1570	1580	1590	1600	1610
TATTGCTGGT	GGATGAATTT	GTCACCTTCC	TTGAAACTGG	TGAACCCAAA	AAGTTAGACA	GTGATAGGAA
ATAACGACCA	CCTACTTAAA	CAGTGAAAGG	AACTTTGACC	ACTTGGGTTT	TTCAATCTGT	CACTATCCTT
1620	1630	1640	1650	1660	1670	1680
AATACTGCCA	TTGTCTGTTA	AGAAGTCTAT	GACATTTCAA	GGCAAGAATG	AATATATGGA	AGAAGAAACT
TTATGACGGT	AACAGACAAT	TCTTCAGATA	CTGTAAAGTT	CCGTTCTTAC	TTATATACCT	TCTTCTTTGA
1690	1700	1710	1720	1730	1740	1750
TGTTTCTTCT	TTACTTACAA	AAAGGAAAGC	CTGGAAGTGA	ATGATATGGG	TATAATTAAA	AAAAAAAAAA
ACAAAGAAGA	AATGAATGTT	TTTCCTTTTCG	GACCTTCACT	TACTATACCC	ATATTAATTT	TTTTTTTTTT
1760	1770	1780	1790	1800	1810	1820
AAAACAAAAA	ACCTTTACGT	AACGTTTTTG	TGGGAGAGAA	GACTACGAAG	CACATTTTCC	AGGAAGTGTG
TTTTGTTTTT	TGGAAATGCA	TTGCAAAACG	ACCCTCTCTT	CTGATGCTTC	GTGTAAAAGG	TCCTTCACAC

Fig. 5B

APPROVED	O G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

1830	1840	1850	1860	1870	1880	1890
GGCTGCAACG	ATTGTGCGCT	CTTAACTAAT	CCTGAGTAAG	GTGGCCACTT	TGACAGTCTT	CTCATGCTGC
CCGACGTTGC	TAACACGCGA	GAATTGATTA	GGACTCATTC	CACCGGTGAA	ACTGTCAGAA	GAGTACGACG
1900	1910	1920	1930	1940	1950	1960
CTCTGCCACC	TTCTCTGCCA	GAAGATACCA	TTTCAACTTT	AACACAGCAT	GATCGAAACA	TACAACCAAA
GAGACGGTGG	AAGAGACGGT	CTTCTATGGT	AAAGTTGAAA	TTGTGTCGTA	CTAGCTTTGT	ATGTTGGTTT
1970	1980	1990	2000	2010	2020	2030
CTTCTCCCCG	ATCTGCGGCC	ACTGGACTGC	CCATCAGCAT	GAAAATTTTT	ATGTATTTAC	TTACTGTTTT
GAAGAGGGGC	TAGACGCCGG	TGACCTGACG	GGTAGTCGTA	CTTTTAAAAA	TACATAAATG	AATGACAAAA
2040	2050	2060	2070	2080	2090	2100
TCTTATCACC	CAGATGATTG	GGTCAGCACT	TTTTGCTGTG	TATCTTCATA	GAAGGCTGGA	CAAGGTAAGA
AGAATAGTGG	GTCTACTAAC	CCAGTCGTGA	AAAACGACAC	ATAGAAGTAT	CTTCCGACCT	GTTCCATTCT
2110	2120	2130	2140	2150	2160	2170
TGAACCACAA	GCCTTTATTA	ACTAAATTTG	GGGTCCTTAC	TAATTCATAG	GTTGGTTCTA	CCCAAATGAT
ACTTGGTGTT	CGGAAATAAT	TGATTTAAAC	CCCAGGAATG	ATTAAGTATC	CAACCAAGAT	GGGTTTACTA
2180	2190	2200	2210	2220	2230	2240
GGATGATGGT	AGAAACCAAA	TAGAAGAATG	GTCTTGTGGC	ATAATGTTTG	TTCCCTAGTC	AATGA ACTCT
CCTACTACCA	TCTTTGGTTT	ATCTTCTTAC	CAGAACACCG	TATTACAAAC	AAGGGATCAG	TTACTTGAGA
2250	2260	2270	2280	2290	2300	2310
CATATTCTTG	TCTCTGGTTA	GGATCTTGGG	ATCTGGAGTC	AGACTGCCTG	GGCTCAAATC	TTGGCTCTGC
GTATAAGAAC	AGAGACCAAT	CCTAGAACCC	TAGACCTCAG	TCTGACGGAC	CCGAGTTTAG	AACCGAGACG
2320	2330	2340	2350	2360	2370	2380
CCATACCATC	TCTGTTATCC	TGGGGCAAGT	GCCTCAGTTT	CCACATCTGA	GAAATGGGGA	TGGTAGTGGT
GGTATGGTAG	AGACAATAGG	ACCCCGTTCA	CGGAGTCAAA	GGTGTAGACT	CTTTACCCCT	ACCATCACCA
2390						
GTCCATTTCA	TAGAT					
CAGGTAAAGT	ATCTA					

Fig. 5C

APPROVED	O G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

GAGATGTATATAATTTTTTAGGAAAATCTCAAGGTTATCTTTACTTTTTCTTA
GGAAATTAACAATTTAATATTAAGAAACGGCTCGTTCTTACACGGTAGACTTA
ATACCGTAAGAACGAGCCGTTTTTCGTTCTTCAGAGAAAGATTTGACAAGATTA
CCATTGGCATCCCCGTTTTATTTGGTGCCTTTCACAGAAAGGGTTGGTCTTAA
TT

Fig. 6

FIGURE 7

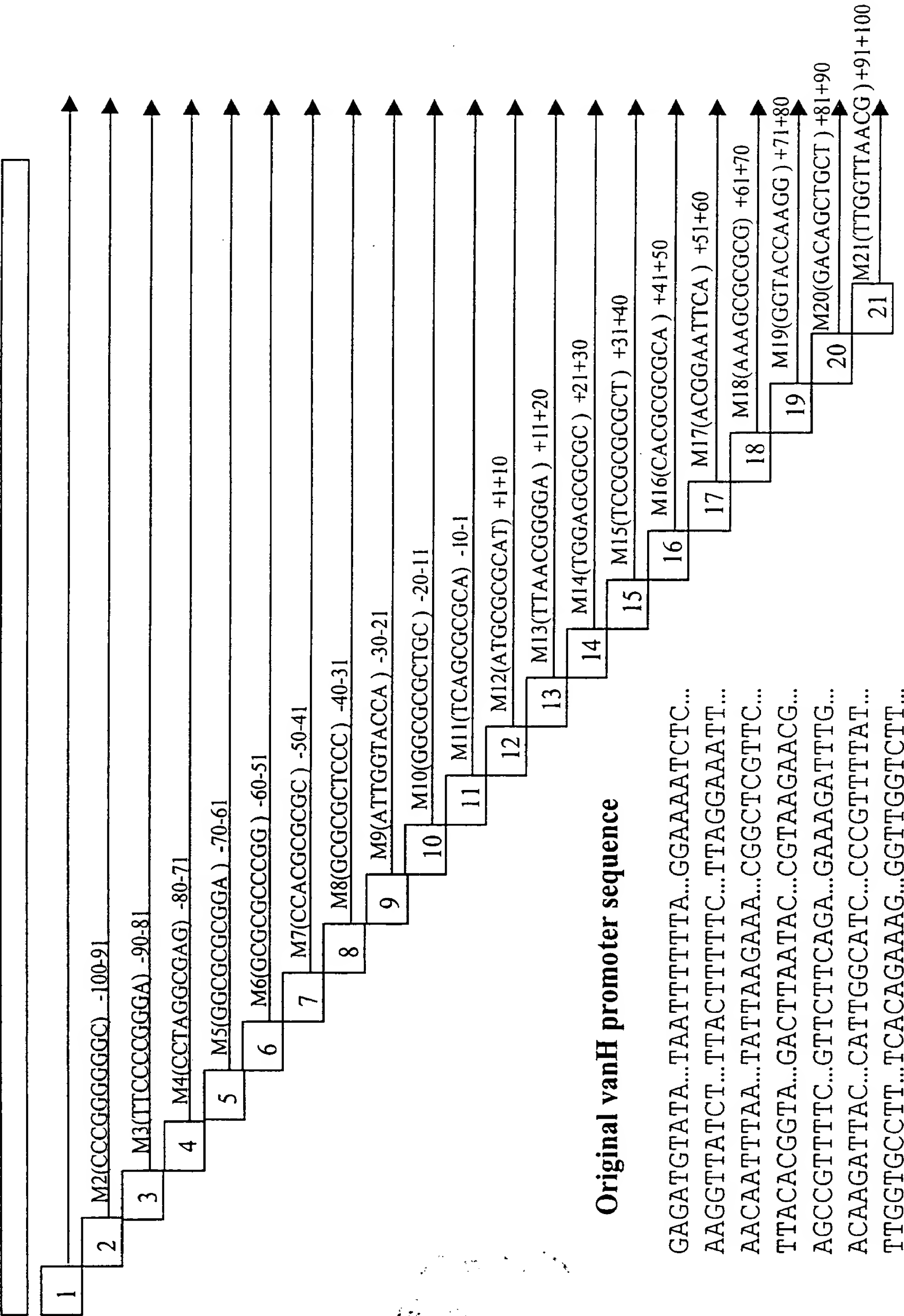


Fig. 7

APPROVED	O. G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

TCTAGAAAAT	AATTCCCAAT	ATTGAATCCC	AAAGAATTCA	ACATTTGGGC	TGTCGTTTGA	61
AAGATAAGTT	GAATTTGGTC	ATGAAGGAAG	AGAGGGGGGA	TACAATTTCA	GTAAAAGGTA	121
ACAGCAAGGT	CCAAAGACAG	TCAGGTCTTC	AGTAGTATGG	AGTATATTCA	GAGGGAGCCA	181
AGATGTCTGA	TGTGAACATA	AAAGATTGGT	GGTTGGTAGG	AGGAAGAGGT	GTGAGAAGAG	241
GCTGTAAAGA	AAAATTGAAA	CTTGATTGTG	ATGGACTTTA	AAGGCTAGGC	TATGGGACTT	301
GGACATGAAT	CTGCAGGCCA	GTGTTTGCAG	ACTGGCGCCC	ATAACTGTCT	ATCACAGCAA	361
CACAGACATG	TGTTGTTTGG	CCTGCAGAGG	TTTGGCCTGC	ATGATGATTT	TAAACCATCT	421
GAATTAGTAG	CCATCATTTT	CAAAAATCAA	GAGATGCCAC	ATTAAAATAT	GGAATGCTGC	481
TGTTCTTGAA	AATAATGAAA	CATCTGGAAC	ATTGAGGCCA	CATTCCTGAC	TGACAGCAAT	541
CAGTTGGAGC	TGCGTAGTGA	CTGCCCCTT	TACATGGGGC	ATCTGATCCC	TAGTCGATTA	601
CAGCTGCCAC	CACTTCCCTT	TATCTCTCTA	ATACCAAGCT	CTTTTCACTC	ATTTTTGTTA	661
CTTAAGAGAT	ATTTGGGTTT	GAAACCTCTG	ATGCAGGTAA	TTGAGGGTTA	TAGAGCAGAG	721
GACAGATGCT	ATCAGAGTTG	TCTTTTAAGA	AAGAACCCTC	TGTTCTTCAT	TTTGTTGAAG	781
ATAGCCTGGA	AGAGGGCAGC	CAGGGGAGAA	GTTAGGGCTG	GAGCTATGAG	AAAGCATAAG	841
ATGAGATGAT	GGCTTCAACA	TTGAGGACAG	AAAGAATATT	GAGATGAGAA	AGTAGTCCAT	901
ATAAGCATCT	ATGCAAAGGA	AATAGCAGAT	GTCCTCAAAT	CAGCAGAGGC	AACAACCTCTG	961
AAAGTTTATT	CATAAGCCCC	TCTTTTCATC	TCCAATCCAG	TTCAAATGTA	ATTATTTAAA	1021
TTGTTCTTCA	CTCTCCTTCC	TGGATCATGA	ATGAGCTCCT	TAAATGCAGG	GTCCACAGTG	1081
TCCTATTTCAT	CAGTGAATTC	CAAGTGCCTA	GCACAGAGCC	TGGCAAATAG	TAAATGCTTA	1141
ACAAATATTC	GTTTCAGTGCA	TGAATTGGAG	TGATTCTCTA	CTTTGCCTCA	TAAGTTGAAA	1201
AAAGGTTTAT	TACATACCTA	AATATGCTGA	AATCACAGGG	CATTTGGCAA	CCCCCAAAA	1261
CCAAAACCTCC	CAGTTTGGAA	ACAGAATTTT	AATTCTGTGA	AAATAAAATC	CATTCATTTA	1321
TTCAAAAAAT	ATTTATTAAA	CAATGACCAT	GTCCACACCA	GGCTGAGTCC	TAAGGATTCA	1381
ATGATGAACA	AAAACCAACA	TGATTCCTGC	TCTTAGGAAA	CATACAGTTC	AGTGAGGAAA	1441
ACAGATTGTG	AGAAGTCCTC	CAACAAATAC	TGGGTGCTAT	TAAAATATAT	TAAAAGGTGA	1501
GTGGGTGAGG	GACTTGAGCT	AGCCTAGGTG	GTTTCAGGAAG	TCTTCCTGGA	TGTGCTGATA	1561
TGCATAGGCA	TTAACTAGAT	AAATAGAGAG	AAGGATGAAC	CAACATTGCA	GGTAGAGGGA	1621
ACAGAATATG	CAAAGGCAGG	AAGGATTATG	GAGTCGTTGG	AGGACCTGAA	TAAAGGCCCA	1681
GTGTAAGTGG	ATCTCAGAAA	ACAGGAGGAA	AGGTGTATGA	GATGAGATCA	GAGAGGCAGA	1741
TCATGTGGGG	TATGGTTAAT	GTTTTGGACT	TTTCTATTAA	GAGCAATGGG	GAGACAGTGA	1801
CAGGACTTAA	ACGGGGAAAT	AATATGACCA	GATTAAACTT	TCTAAAAAAC	CCTCTATGCA	1861
AATATATATT	GAGAGTTAAT	TATTGACAAA	GATTCAAAGG	CAACAAAGTG	GAGAGAGAAT	1921
AGTATTTTCA	AAAAATGGTG	CCAAAACAAT	AGGACATCTA	TATTAAAAGT	TGGGTATCTG	1981
TCTACAAAAC	TTAATTCAAA	ATGGATCACA	GACCTAAATG	TAAAAC TGAA	AGCTATACAA	2041
CTTCTGGAAG	GAAAACACAG	ATGGGAATCT	GTGTGATCTT	GAGTTTGAAA	ATGATTTTAT	2101
ATATCTGACA	CCATAATCCG	TAAGTTAACA	TAATTCATAA	GTGAACAAAG	TGATGAACTG	2161
GACTTCATCA	GAATTTAAAA	TGTTTGTGCT	TCAAAAGACA	CTGGTATGAT	AATGAAGACA	2221
AACTACAGAT	AAGATATTGT	TGAATCATAT	TTCTGATAAA	GGAATTGTGG	CTCAGAATAC	2281
ATAACTCTAA	ACCCCCATAA	TAAATTACAA	GTAGCCCAAT	TAAAAA AAAA	AAAAGAGAAA	2341
AAATTTACAG	TCTTCATCAA	AGAAAGTATC	AATTGTAAAA	TAAGCACATG	AAAAATGCTC	2401
TGCATCTTTA	TTCATGGGGG	GATGAAATAA	AAATTAAATG	GGAAAGACAC	CTCTAATTAG	2461
AATACTAAAA	TTAAAAAGAC	TGACCATAAC	AAGTATTGGT	GAAGTGGAAA	TGTAAAATGA	2521
TACAATCAAC	TTAGGTAGAT	GATTTGGAAG	TTTCTTACAA	AAGTAGGTGT	ATACCTACCC	2581
TGTGACTCAC	CCATTCCATG	GCTAAGTATT	TACCTGAGAG	AAATGAAAGA	ATACATCCAT	2641
ACAAAGATGT	TTATACAAAT	ATTTATAGCA	GTTTTATTTG	TAGTAGCCCC	AAACTGAAAA	2701
GAACCCAAAT	GTCCATCAAA	AGTGAATGGA	TAAACAAAGC	GTGGTACAGC	AATGCAATAG	2761
AATACTACTT	AGCAATAAAG	AAGAATGAGC	TAGTGATATA	CATAACAGCT	TAAATGTACA	2821
TCAAAGGCAT	TGTGCTCAGT	GAAAGATGCA	AGTAAAAAAA	AAAAAGAGTA	CATGCTGTAT	2881
AGTTCCATTG	ACATAAAACT	CTGGAAAGTG	AAAAACAGTC	TATACTGACA	GAAAGCAGAT	2941
CATTGGTTGC	CTGAGGAGGA	GGAGTATAGG	AGAGGTGGAG	GGAAAATGTA	CAAAGTGGCA	3001
CAATAAAAAAC	TTTTGGAATC	ATAGATATAT	TCACTATCTT	GATTGAGTGA	TGATTTTCATG	3061

Fig. 8A

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

AGTGCACGTG	CGTGTGTCAA	AAATGATCAA	TTTATGCAAC	TTTAAATATG	TGCAGTTTAT	3121
TGTATATATC	AATTATACCT	CAGTACGGCT	ATTAAAAAGA	AACCCTCTGG	CTGCACAATG	3181
CAGAACTGAT	TCTAGGAAAG	AGTGGAGGGA	GGATGACCAT	TTACAGTGCT	CCAGGTGGAA	3241
GAGAACGGTG	CCTTCTGGAA	GTGAACTAGG	TTGGCAACAA	CAGAGATGAA	ATAAATGGGC	3301
AGATGTGTGA	GATACTTAGG	AAATAAAACC	CGATGGTCAC	CATTTTCCAA	AGGTCAGCTC	3361
ATCCTGGCTT	TCCAGAGCAA	AGAGCTAGGG	AAGACTTTAT	TAATAAATCC	CTCTTGAAGT	3421
TGCAGAGGAA	GCTTATAGCA	GAAACTTACT	CTCAACCTGA	CTAATCTGAG	AGAACACCTC	3481
TGGTTCCATT	TGATTACTAA	AAAAC TGCAA	AGAACAGGAG	GAGAAAGAAG	AAGAAAGCTG	3541
GTACAAACAG	TGAACTTATA	TAATATTAAT	CAATAATTGT	CTCTTGTTCT	TAAAAGCAAT	3601
GGGAAGAAAA	TGAGATTTGA	GCTGGAAGAT	CAGAGTTCAA	AATCCAAATA	AAGTATATGG	3661
CCCTAATATG	CTTATAGTAG	TTAACCTTTC	CTGATAATGA	TATAATTGTT	GACAGCACCA	3721
TCTTTAAAAT	AAAATAACAT	AGTAATCCTT	CAGATTTGTA	GAAGATCTTT	CCTGTTTACA	3781
AGTTTGTTCT	ATACACATTA	TGTCCTTTTAA	ATGACACACT	AGCCTTCTGA	GGGTAACCTA	3841
TATTGGCAAC	AGTTTTTCAGA	TGTGGAAACT	GTGAAGACAA	TGTTGGTGAT	GTGGAAGCAA	3901
CATAAACTTT	GGAGTCTTTC	AGACCCAGGT	TTGAATGTCA	GACTGCTTTT	TATTCAGAGT	3961
AACTTCAGAG	CATTATTTCT	CACCTTAATT	TTTTTTTCAGG	CCTCTTTGTG	TCTATGTGTC	4021
CTCTTCACTC	CTGTCCATTG	TTTCTTCAGT	GATTTTTCGCC	ACCTTCCTTC	ACTGTTAGTG	4081
TGTAGACACA	TAGTTCTCCT	GGCTCTGAGA	GCCTATGTTA	ATTCCATTCT	ACCATCCTGC	4141
CACGGCCAC	TCAATTCCTA	TTGAGCAATG	CTAGTTGAAA	GTTGTGGTGG	GATTAAATGT	4201
TGCAATGAGT	ATTCAAATGA	GGTTGAAGTA	TCTACGCATT	CTACTTACAT	ATGGTGAGGT	4261
ATATTCAAGG	AAGCTGTAGC	CATTAAAATC	TCAGGAAATA	ATTTTTCACC	TCCTCAGGTG	4321
AAAGGGTCTT	CAGGCCTTTG	TGTTCTGGAA	GGTTCATTTA	TAGCCATTTT	CCAAATGACA	4381
ATGCGATTGA	TGAGTCTAGA	GTCTAGCTCA	AATAGCAATG	GACTGGAAGA	CTAGTTTAGG	4441
TTTTACTAAT	GTGGAACATA	GAACAAATTA	TGTCCTTGTT	TCAGCCTGTT	CATCTGTGAA	4501
ATAGAGCCTA	TCATATCCAG	TCTTCCTTGC	CTTTAGGTTT	GAGTTACCTT	CTTTGGTCAA	4561
GGTAAGTAAA	TGCCTATGAT	GTTTGGCTGT	GCACAAGATA	AAGCTACAAC	AAAGCTACAA	4621
CCCATCTTTT	CTCTGTAGAA	GACTCAAAAA	GCAAAAGAGA	CCCAGGAAAA	TCTCGGAATG	4681
ACTTTTGGA	CAGAGAGCCT	CCCCAGAATC	AGAAGTCAAG	GAATTTAAAC	ATAGGGAAGG	4741
CCCAGGTCTC	TACTGACATA	AAGGAAAGAT	GTTTTCTTAT	AGGTTTCACG	TTTACATTTT	4801
CTCTCTCTTG	ATCCCATTTCC	CACTTGCATC	TGCCACCTTT	ACACAGGGCT	TATGGGACCT	4861
CCTCCACAAA	AGAGCAGTTG	CAGTAACCCA	CATCATCCTC	TACGCCCTGG	CTGTCCATCA	4921
AGAGGCGAAA	AGCAGCCCTA	TATAGGTTCT	ATCCTTGGAT	AGTTCCAGTT	GTAAAGTTTA	4981
AAATATGCGA	AGGCAACTTG	GAAAAGCAAG	CGGCTGCATA	CAAAGCAAAC	GTTTACAGAG	5041
CTCTGGACAA	AATTGAGCGC	CTATGTGTAC	ATGGCAAGTG	TTTTTAGTGT	TTGTGTGTTT	5101
ACCTGCTTGT	CTGGGTGATT	TTGCCTTTGA	GAGTCTGGAG	AGTAGAAGTA	CTGGTTAAAG	5161
GAACCTCCAG	ACAGGAAGAA	GGCAGAGAAG	AGGGTAGAAA	TGACTCTGAT	TCTTGGGGCT	5221
GAGGGTTTCT	AGAGCAAATG	GCACAATGCC	ACGAGGCCCG	ATCTATCCCT	ATGACGGAAT	5281
CTAAGGTTTC	AGCAAGTATC	TGCTGGCTTG	GTCATGGCTT	GCTCCTCAGT	TTGTAGGAGA	5341
CTCTCCCACT	CTCCCATCTG	CGCGCTCTTA	TCAGTCCTGA	AAAGAACCCC	TGGCAGCCAG	5401
GAGCAGGTAT	TCCTATCGTC	CTTTTCCTCC	CTCCCTCGCC	CCACCCTGTT	GGTTTTTTTAG	5461
ATTGGGCTTT	GGAACCAAAT	TTCTTGAGTG	CTGGCCTCCA	GGAAATCTGG	AGCCCTGGCG	5521
CCTAAACCTT	GGTTTAGGAA	ACCAGGAGCT	ATTCAGGAAG	CAGGGGTCCT	CCAGGGCTAG	5581
AGCTAGCCTC	TCCTGCCCTC	GCCCACGCTG	CGCCAGCACT	TGTTTCTCCA	AAGCCACTAG	5641
GCAGGCGTTA	GCGCGCGGTG	AGGGGAGGGG	AGAAAAGGAA	AGGGGAGGGG	AGGGAAAAGG	5701
AGGTGGGAAG	GCAAGGAGGC	CGGCCCGGTG	GGGGCGGGAC	CCGACTCGCA	AACTGTTGCA	5761
TTTGCTCTCC	ACCTCCCAGC	GCCCCCTCCG	AGATCCCGGG	GAGCCAGCTT	GCTGGGAGAG	5821
CGGGACGGTC	CGGAGCAAGC	CCACAGGCAG	AGGAGGCGAC	AGAGGGAAAA	AGGGCCGAGC	5881
TAGCCGCTCC	AGTGCTGTAC	AGGAGCCGAA	GGGACGCACC	ACGCCAGCCC	CAGCCCGGCT	5941
CCAGCGACAG	CCAACGCCTC	TTGCAGCGCG	GCGGCTTCGA	AGCCGCCGCC	CGGAGCTGCC	6001
CTTTCCTCTT	CGGTGAAGTT	TTTAAAAGCT	GCTAAAGACT	CGGAGGAAGC	AAGGAAAGTG	6061

Fig. 8B

APPROVED	O G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

CCTGGTAGGA CTGACGGCTG CCTTTGTCCT CCTCCTCTCC ACCCCGCCTC CCCCCACCCT 6121
GCCTTCCCCC CCTCCCCCGT CTTCTCTCCC GCAGCTGCCT CAGTCGGCTA CTCTCAGCCA 6181
ACCCCCCTCA CCACCCTTCT CCCCACCCGC CCCCCGCCC CCGTCGCCCA GCGCTGCCAG 6241
CCCGAGTTTG CAGAGAGGTA ACTCCCTTTG GCTGCGAGCG GGCGAGCTAG CTGCACATTG 6301
CAAAGAAGGC TCTTAGGAGC CAGGCGACTG GGGAGCGGCT TCAGCACTGC AGCCACGACC 6361
CGCCTGGTTA GGCTGCACGC GGAGAGAACC CTCTGTTTTT CCCCCTCTC TCTCCACCTC 6421
CTCCTGCCTT CCCCACCCCG AGTGCGGAGC CAGAGATCAA AAGATGAAAA GGCAGTCAGG 6481
TCTTCAGTAG CCAAAAAACA AAACAAACAA AAACAAAAAA CAAGAAATAA AAGAAAAAGA 6541
TAATAACTCA GTTCTTATTT GCACCTACTT CAGTGGACAC TGAATTTGGA AGGTGGAGGA 6601
TTTTGTTTTT TTCTTTTAAG ATCTGGGCAT CTTTTGAATC TACCCTTCAA GTATTAAGAG 6661
ACAGACTGTG AGCCTAGCAG GGCAGATCTT GTCCACCGTG TGTCTTCTTC TGCACGAGAC 6721
TTTGAGGCTG TCAGAGCGCT TTTTGCGTGG TTGCTCCCGC AAGTTTCCTT CTCTGGAGCT 6781
TCCCGCAGGT GGGCAGCTAG CTGCAGCGAC TACCGCATCA TCACAGCCTG TTGAACTCTT 6841
CTGAGCAAGA GAAGGGGAGG CGGGGTAAGG GAAGTAGGTG GAAGATTCAG CCAAGCTCAA 6901
GGATG

Fig. 8C

APPROVED	O G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

	CA	GGCCCCACAA	AACCTAGATC	TGCCCCAGTA	TAACATAATC	1501
TGGGACCATT	TATTGAGCAA	TTATTATGTG	CCAAGTATTG	CGCTGAGTGC	TTCCAGAGCA	1561
TTATCTCCTT	TAACCCCAGC	ATAGTATGTC	AGATGCTGTT	TTACAGATGA	GCCAACTGAG	1621
ACCAGAGATG	CTCAGTCACT	TGCCCCAAGGT	GACATGACTG	ATATGGAATA	GAGTCAAGAT	1681
TTTTTTTTTT	TTTTTTGACA	CGGAGTCTCA	CTCTGTCTCC	CAGGCTGGAG	TGCAGAGGCG	1741
CAATCTCAGC	TCACTGCAAG	CTCTGCCTCC	CAGGTTACAG	CATTCTCCTG	CCTCAGCCTC	1801
CTGAGTAGCT	GGGACTACAG	GCACCCGCCA	CCACACCTGG	CTAATTTTTT	GTATTTTTTAG	1861
CAGAGACAGG	GTTTCACCGT	GTTAGCCAGG	ATGGTCTCGA	TCTCCTGACC	TCGTGATCTG	1921
CCTGCCTCGG	CCTCCCAAAG	TGATGGAATT	ACAGGTGTGA	GCCACCGCGA	CTGGCCAGAT	1981
TCAAGATTTG	AACCCAGGTC	CTCTTGGTCC	CAGAGGCCCC	TGTTTCTCAA	CTCCCTAGCA	2041
TGCATACGCA	CCTGTCCCTC	TAGAGGTGCC	TGCTTAAGTG	TGCTCAGCAC	ATGGAAGCAA	2101
GTTAGAAATG	CTAGGTATAC	CTGTAAAGAG	GTGTGGGAGA	TGGGGGGGAG	GGAAGAGAGA	2161
AAGAGATGCT	GGTGTCTTTC	ATTCTCCAGT	CCCTGATAGG	TGCCTTTGAT	CCCTTCTTGA	2221
CCAGTATAGC	TGCATTCTTG	GCTGGGGCAT	TCCAACCTAGA	ACTGCCAAAT	TTAGCACATA	2281
AAAATAAGGA	GGCCCAGTTA	AATTTGAATT	TCAGATAAAC	AATGAATAAT	TTGTTAGTAT	2341
AAATATGTCC	CATGCAATAT	CTTGTTGAAA	TTAAAAAAA	AAAAAAAAGT	CTTCCTTCCA	2401
TCCCCACCCC	TACCACTAGG	CCTAAGGAAT	AGGGTCAGGG	GCTCCAAATA	GAATGTGGTT	2461
GAGAAGTGGA	ATTAAGCAGG	CTAATAGAAG	GCAAGGGGCA	AAGAAGAAAC	CTTGAATGCA	2521
TTGGGTGCTG	GGTGCCTCCT	TAAATAAGCA	AGAAGGGTGC	ATTTTGAAGA	ATTGAGATAG	2581
AAGTCTTTTT	GGGCTGGGTG	CAGTTGCTCG	TGGTTGTAAT	TCCAGCACTT	TGGGAGGCTG	2641
AGGCGGGAGG	ATCACCTGAG	CTTGGGAGTT	CAAGACCAGC	CTCACCAACG	TGGAGAAACC	2701
CTGTCTTTAC	TAAAAATACA	AAAAATTCAG	CTGGTCATGG	TGGCACATGC	CTGTAATCCC	2761
AGCTGCTCGG	GAGGCTGAGG	CAGGAGAATC	ACTTGAACCA	GGGAGGCAGA	GGTTGTGGTG	2821
AGCAGAGATC	GCGCCATTGC	TCTCCAGCCT	GGGCAACAAG	AGCAAAAGTT	CGTTTAAAAA	2881
AAAAAAAAG	TCCTTTCGAT	GTGACTGTCT	CCTCCCAAAT	TTGTAGACCC	TCTTAAGATC	2941
ATGCTTTTCA	GATACTTCAA	AGATTCCAGA	AGATATGCCC	CGGGGGTCCCT	GGAAGCCACA	3001
AGGTAAACAC	AACACATCCC	CCTCCTTGAC	TATCAATTTT	ACTAGAGGAT	GTGGTGGGAA	3061
AACCATTATT	TGATATTAAA	ACAATAGGCT	TGGGATGGAG	TAGGATGCAA	GCTCCCCAGG	3121
AAGTTAGATA	ACTGAGACTT	AAAGGGTGTG	AAGAGTGGCA	GCCTAGGGAA	ATTTATCCCG	3181
GACTCCGGGG	GAGGGGGCAG	AGTCACCAGC	CTCTGCATTT	AGGGATTCTC	CGAGGAAAAG	3241
TGTGAGAACG	GCTGCAGGCA	ACCCAGGCGT	CCCGGCGCTA	GGAGGGACGA	CCCAGGCCTG	3301
CGCGAAGAGA	GGGAGAAAGT	GAAGCTGGGA	GTTGCCGACT	CCCAGACTTC	GTTGGAATGC	3361
AGTTGGAGGG	GGCGAGCTGG	GAGCGCGCTT	GCTCCCAATC	ACCGGAGAAG	GAGGAGGTGG	3421
AGGAGGAGGG	CTGCTTGAGG	AAGTATAAGA	ATGAAGTTGT	GAAGCTGAGA	TTCCCTCCA	3481
TTGGGACCGG	AGAAACCAGG	GGAGCCCCCC	GGGCAGCCGC	GCGCCCTTC	CCACGGGGCC	3541
CTTTACTGCG	CCGCGCGCCC	GGCCCCCACC	CCTCGCAGCA	CCCCGCGCCC	CGCGCCCTCC	3601
CAGCCGGGTC	CAGCCGGAGC	CATGG				

Fig. 9